



Attorney's Docket No. 038630.48896US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: Moshe Szyf et al. EXAMINER: M. Walicka  
SERIAL NO.: 09/554,414 ART UNIT: 1652  
FILED: September 6, 2000  
FOR: DNA DEMETHYLASE, THERAPEUTIC AND DIAGNOSTIC USES  
THEREOF

**RESPONSE TO OFFICE ACTION**

Director of the United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated May 20, 2003 in connection with the above-identified patent Application please consider the following amendments and remarks.

**AMENDMENTS TO THE SPECIFICATION**

Amendments to the Specification begin on page 3 of this paper.

**AMENDMENTS TO THE CLAIMS**

Amendments to the Claims are reflected in the listing of claims and begin on page 4 of this paper.

**AMENDMENTS TO THE DRAWINGS**

Amendments to the Drawings begin on page 6 of this paper and include an attached set of replacement Drawings.

**REMARKS**

Remarks begin on page 7 of this paper.

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**APPENDIX**

An appendix which includes attached replacement sheets for the Drawings follows page 10 of this paper.